



Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 6

Complete if Known

Application Number	10/564,707
Filing Date	June 30, 2006
First Named Inventor	Artemis G. Hatzigeorgiou
Art Unit	1635
Examiner Name	To Be Determined
Attorney Docket Number	UPN0027-100

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JZ	AA	Abrahante et al., "The Caenorhabditis elegans hunchback-like Gene lin-59/hbl-1 Controls Developmental Time and Is Regulated by MicroRNAs," <i>Dev Cell</i> 4:625-37, 2004.	
	AB	Amazgouliou et al., "Tolerance for mutations and chemical modifications in a siRNA," <i>Nucleic Acids Res</i> 31: 589-95, 2003.	
	AC	Ambros et al., "A uniform system for microRNA annotation," (2003) <i>RNA</i> 9:277-9.	
	AD	Ambros et al., "MicroRNAs and Other Tiny Endogenous RNAs in <i>C. elegans</i> ," (2003) <i>Curr Biol</i> 13:807-18	
	AE	Aukerman et al., "Regulation of Flowering Time and Floral Organ Identity by a MicroRNA and Its APETALA2-Like Target Genes," (2003) <i>Plant Cell</i> 15:2730-41.	
	AF	Bartel et al., "MicroRNAs: At the Root of Plant Development?" <i>Plant Physiol</i> (2003) 132:709-17.	
	AG	Bartel et al., "MicroRNAs: genomics, biogenesis, mechanism, and function," (2004) <i>Cell</i> 116:281-97..	
	AH	Bernstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference," (2001) <i>Nature</i> 409:363-6.	
	AI	Bohnsack et al., "Exportin 5 is a RanGTP-dependent dsRNA-binding protein that mediates nuclear export of pre-miRNAs," (2004) <i>RNA</i> 10:185-91.	
	AJ	Brennecke et al., "Bantam Encodes a Developmentally Regulated microRNA that Controls Cell Proliferation and Regulates the Proapoptotic Gene hid in <i>Drosophila</i> ," (2003) <i>Cell</i> 113:25-36.	
	AK	Calin et al., "Frequent deletions and down-regulation of micro-RNA genes miR15 and miR16 at 13q14 in chronic lymphocytic leukemia," (2002) <i>Proc Natl Acad Sci USA</i> 99:15524-9.	

Examiner Signature	/Jane Zara/	Date Considered	08/11/2009
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Sheet

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/JZ/	AL	Chen, "A microRNA as a translational repressor of APETALA2 in Arabidopsis Flower Development," (2002) <i>Science</i> 303:2022-25.	
	AM	Doench et al., "siRNAs can function as miRNAs," (2003) <i>Genes Dev</i> 17:438-42.	
	AN	Doench et al., "Specificity of microRNA target selection in translational repression," (2004.) <i>Genes Dev</i> 18: 504-11.	
	AO	Dostie et al., "Numerous microRNPs in neuronal cells containing novel microRNAs," (2003) <i>RNA</i> 9:180-186.	
	AP	Elbashir et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs," (2001) <i>Genes Dev</i> 15:188-200	
	AQ	Enright et al., "MicroRNA targets in Drosophila," (2003) <i>Genome Biology</i> 5(1)R1.	
	AR	Grishok et al., "Genes and mechanisms related to RNA interference regulate expression of the small temporal RNAs that control C. elegans developmental timing," (2001) <i>Cell</i> 106:23-34.	
	AS	Ha et al., "A bulged lin-4/lin-14 RNA duplex is sufficient for Caenorhabditis elegans lin-14 temporal gradient formation," (1996) <i>Genes Dev</i> 10:3041-50.	
	AT	Hamilton et al., "A species of small antisense RNA in posttranscriptional gene silencing in plants," <i>Science</i> (1999.) 286:950-2.	
	AU	Hammond et al., "Argonaute2, a link between genetic and biochemical analyses of RNAi," <i>Science</i> (2001) 293:1146-50.	
	AV	Hutvagner et al., "A cellular function for the RNA-interference enzyme Dicer in the maturation of the let-7 small temporal RNA," (2001) <i>Science</i> 293:834-8.	
↓	AW	Hutvagner et al., "A microRNA in a multiple-turnover RNAi enzyme complex," (2002) <i>Science</i> 297:2056-60.	

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Sheet 3

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/JZ/	AX	Kasprzyk et al., "EnsMart: a generic system for fast and flexible access to biological data," (2004) <i>Genome Res</i> 14:160-9.	
	AY	Kasschau et al., "PI/Hc-Pro, a viral suppressor of RNA silencing, interferes with Arabidopsis development and miRNA uncton," (2003) <i>Dev Cell</i> 4: 205-17.	
	AZ	Ketting et al., "Dicer functions in RNA interference and in synthesis of small RNA involved in developmental timing in <i>C. elegans</i> ," (2001) <i>Genes Dev</i> 15:2654-9.	
	BA	Khvorovaya et al., "Functional siRNAs and miRNAs exhibit strand bias," (2003) <i>Cell</i> 115:209-16.	
	BB	Knight et al., "A role for the RNase III enzyme DCR-1 in RNA interference and germ line development in <i>Caenorhabditis elegans</i> ," (2001) <i>Science</i> 293:2269-71.	
	BC	Lagos-Quintana et al., "Identification of novel genes coding for small expressed RNAs," (2001) <i>Science</i> 294: 853-8.	
	BD	Lagos-Quintana et al., "Identification of tissue-specific microRNAs from mouse," (2002) <i>Curr Biol</i> 12: 735-9.	
	BE	Lai, "Micro RNAs are complementary to 3' UTR sequence motifs that mediate negative post-transcriptional regulation," (2002) <i>Nat Genet</i> 30: 363-4.	
	BF	Lai et al., "Computational identification of <i>Drosophila</i> microRNA genes," (2003) 4:R42.	
	BG	Lau et al., "An abundant class of tiny RNAs with probable regulatory roles in <i>Caenorhabditis elegans</i> ," (2001) <i>Science</i> 294: 858-62.	
V	BH	Lee et al., "An extensive class of small RNAs in <i>Caenorhabditis elegans</i> ," (2001), <i>Science</i> 294:862-4, 294:882-864.	

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/JZ/	BI	Lee et al., "The C. elegans heterochronic gene lin-4 encodes small RNAs with antisense complementarity to lin-14," (1993) <i>Cell</i> 75:843-54.	
	BJ	Lee et al., "The nuclear RNase III Drosha initiates microRNA processing," (2003) <i>Nature</i> 425:415-9	
	BK	Lewis et al., "Prediction of mammalian microRNA targets," (2003) <i>Cell</i> 115:787-98.	
	BL	Lim et al. "The microRNAs of <i>Caenorhabditis elegans</i> ," (2003) <i>Genes Dev</i> 17:991-1008.	
	BM	Lin et al., "The C. elegans hunchback Homolog, hbl-1, Controls Temporal Patterning and Is a Probable MicroRNA Target," (2003) <i>Dev Cell</i> 4: 639-50.	
	BN	Llave et al., "Cleavage of Scarecrow-like mRNA targets directed by a class of Arabidopsis miRNA," (2002) <i>Science</i> 297:2053-6.	
	BO	Lund et al., "Nuclear export of microRNA precursors," (2004) <i>Science</i> 303:95-8.	
	BP	Martinez et al., "Single-stranded antisense siRNAs guide target RNA cleavage in RNAi," <i>Cell</i> 110:563-74. 2002 /RS/ 11/15/2011	
	BQ	Mazumder et al., "Translational control by the 3'-UTR: the ends specify the means," (2003) <i>Trends Biochem Sci</i> 28:91-8.	
	BR	Michael et al., "Reduced accumulation of specific microRNAs in colorectal neoplasia," (2003) <i>Mol Cancer Res</i> 1:882-91.	
	BS	Moss et al., "The cold shock domain protein LIN-28 controls developmental timing in <i>C. elegans</i> and is regulated by the lin-4 RNA," (1997), <i>Cell</i> , 88:637-46.	
	BT	Moss et al., "Conservation of the heterochronic regulator Lin-28, its developmental expression and microRNA complementary sites," (2003) <i>Dev Biol</i> 258:432-42.	
✓	BU	Mourelatos et al., "miRNPs: a novel class of ribonucleoproteins containing numerous microRNAs," (2002) <i>Genes Dev</i> 16: 720-8.	

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/JZ/	BV	Nussinov "Nearest neighbor nucleotide patterns. Structural and biological implications." (1981) / <i>Biol Chem</i> 256:8458-62.	
	BW	Olsen et al., "The lin-4 regulatory RNA controls developmental timing in <i>Caenorhabditis elegans</i> by blocking LIN-14 protein synthesis after the initiation of translation," (1999) <i>Dev Biol</i> 216: 671-80.	
	BX	Palatnik et al., "Control of leaf morphogenesis by microRNAs," (2003) <i>Nature</i> 425:257-63.	
	BY	Pesole et al., "UTRdb and UTRsite: specialized databases of sequences and functional elements of 5' and 3' untranslated regions of eukaryotic mRNAs," (2002) <i>Nucleic Acids Res</i> 30: 335-40.	
	BZ	Pruitt et al., "NCBI Reference Sequence project: update and current status," (2003) <i>Nucleic Acids Res</i> 31:34-7.	
	CA	Reinhart et al., "The 21-nucleotide let-7 RNA regulates developmental timing in <i>Caenorhabditis elegans</i> ," (2000) <i>Nature</i> 403:901-6.	
	CB	Rhoades et al., "Prediction of plant microRNA targets," (2002) <i>Cell</i> 110:513-20.	
	CC	Schwarz et al., "Asymmetry in the assembly of the RNAi enzyme complex," (2003) <i>Cell</i> 115:199-208.	
	CD	Seggerson et al., "Two genetic circuits repress the <i>Caenorhabditis elegans</i> heterochronic gene <i>lin-28</i> after translation initiation," (2002) <i>Dev Biol</i> 243:215-25.	
	CE	Seitz et al., "Imprinted microRNA genes transcribed antisense to a reciprocally imprinted retrotransposon-like gene," (2003) <i>Nat Genet</i> 34: 261-2.	
	CF	Stark et al., "Identification of <i>Drosophila</i> MicroRNA Targets," (2003) <i>Plos Biology</i> 1: 1-13.	
	CG	Tang et al., "A biochemical framework for RNA silencing in plants," (2003) <i>Genes Dev</i> 17: 49-63.	
	CH	Tinoco et al., "Improved estimation of secondary structure in ribonucleic acids," (1973) <i>Nat New Biol</i> 246(150):40-41.	

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/JZ/	CI	Vella et al., "The C. elegans microRNA let-7 binds to imperfect let-7 complementary sites from the lin-41 3'UTR," (2004) <i>Genes Dev</i> 18:132-7.	
	CJ	Wightman et al., "Posttranscriptional regulation of the heterochronic gene lin-14 by lin-4 mediates temporal pattern formation in C. elegans," (1993) <i>Cell</i> 75:855-62.	
	CK	Xie et al., "Negative Feedback Regulation of Dicer-Like1 in Arabidopsis by microRNA-Guided mRNA Degradation," (2003) <i>Curr Biol</i> 13:784-9.	
	CL	Xu et al., "The Drosophila MicroRNA Mir-14 Suppresses Cell Death and Is Required for Normal Fat Metabolism," (2003) <i>Curr Biol</i> 13:790-5.	
	CM	Yiet et al., "Exportin-5 mediates the nuclear export of pre-microRNAs and short hairpin RNAs," (2003) <i>Genes Dev</i> 17:3011-6.	
	CN	Zeng et al., "Both natural and designed micro RNAs can inhibit the expression of cognate mRNAs when expressed in human cells," (2002) <i>Mol Cell</i> 9:1327-33	
	CO	Nelson et al., "The microRNA world: small is mighty," (2003) <i>Trends Biochemical Science</i> 28:534-540.	
	CP	Nelson et al., "miRNP:mRNA association in polyribosomes in a human neuronal cell line. (2004) <i>RNA</i> 10:387-394.	

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